Economics 163b
Spring 2005

This course is an introduction to econometrics. Econ 162a or the equivalent is a prerequisite. The text is Wooldridge, Introductory Econometrics, second edition, which is available at the Yale book store. Additional readings and material will be handed out in class or posted on the website during the course of the semester. The website is fairmodel.econ.yale.edu.

Course requirements are weekly problem sets, a midterm, and a final exam. The problem sets will be graded and will count for 20% of the final grade. The midterm exam will be given during class time and is scheduled for Thursday, MARCH 3. It will count for 30% of the final grade. The final exam will count for 50% of the final grade. The final exam is scheduled (by Yale College) for Wednesday, MAY 4, at 9am. Be sure there is no wedding you need to go to that day.

The main aim of the course is to provide you with a good understanding of basic econometric theory and with the ability to use econometric methods in your research.
Days
1,2 January 11, 13
The Econometric Problem
Ch. 1, (Review Appendices A–D), Fair Chs. 1-3

3,4,5,6 January 18, 20, 25, 27
Regression Analysis: Estimation
E1, E2, Chs. 2, 3

7,8,9,10 February 1, 3, 8, 10
Regression Analysis: Inference
E3, Ch. 4

11,12 February 15, 17
Regression Analysis: Asymptotics
E4, Ch. 5

13,14,15 February 22, 24, March 1
Heteroskedasticity, Other Issues
Chs. 6, 8

16 MIDTERM EXAM: MARCH 3

17,18,19,20 March 22, 24, 29, 31
Time Series
Chs. 10, 11, 12

21,22,23,24 April 5, 7, 12, 14
Instrumental Variables and Simultaneous Equations
Chs. 15, 16

25,26 April 19, 21
Review